

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/791,814B  
Source: TFW16  
Date Processed by STIC: 05/25/2006

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 05/25/2006

PATENT APPLICATION: US/10/791,814B

TIME: 08:52:13

Input Set : A:\2006-05-22 2121-0180P.ST25.txt

Output Set: N:\CRF4\05252006\J791814B.raw

3 <110> APPLICANT: GUY, GOROCHOV et al.

5 <120> TITLE OF INVENTION: METHODS FOR CONSTRUCTION AND SCREENING OF LIBRARIES OF  
CHEMOKINE VARIANTS

7 <130> FILE REFERENCE: 2121-0180P

9 <140> CURRENT APPLICATION NUMBER: US 10/791,814B

10 <141> CURRENT FILING DATE: 2004-03-04

12 <150> PRIOR APPLICATION NUMBER: US 09/945,665

13 <151> PRIOR FILING DATE: 2001-09-05

15 <150> PRIOR APPLICATION NUMBER: PCT/EP 02/11045

16 <151> PRIOR FILING DATE: 2002-09-05

18 <160> NUMBER OF SEQ ID NOS: 41

20 <170> SOFTWARE: PatentIn version 3.1

22 <210> SEQ ID NO: 1

23 <211> LENGTH: 10

24 <212> TYPE: PRT

25 <213> ORGANISM: Unknown

27 <220> FEATURE:

28 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning  
strategy (mammalian)

30 <400> SEQUENCE: 1

32 Leu Ser Pro Val Ser Ser Gln Ser Ser Ala

33 1 5 10

36 <210> SEQ ID NO: 2

37 <211> LENGTH: 10

38 <212> TYPE: PRT

39 <213> ORGANISM: Unknown

41 <220> FEATURE:

42 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning  
strategy (mammalian)

44 <400> SEQUENCE: 2

46 Phe Ser Pro Leu Ser Ser Gln Ser Ser Ala

47 1 5 10

50 <210> SEQ ID NO: 3

51 <211> LENGTH: 10

52 <212> TYPE: PRT

53 <213> ORGANISM: Unknown

55 <220> FEATURE:

56 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning  
strategy (mammalian)

58 <400> SEQUENCE: 3

60 Leu Ser Pro Met Ser Ser Gln Ser Pro Ala

61 1 5 10

64 <210> SEQ ID NO: 4

65 <211> LENGTH: 10

cpg-6)

66 <212> TYPE: PRT  
67 <213> ORGANISM: Unknown  
69 <220> FEATURE:

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70 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
72 <400> SEQUENCE: 4
74 Trp Ser Pro Leu Ser Ser Gln Ser Pro Ala
75 1          5          10
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 10
80 <212> TYPE: PRT
81 <213> ORGANISM: Unknown
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
86 <400> SEQUENCE: 5
88 Trp Ser Pro Leu Ser Ser Gln Ser Ser Pro
89 1          5          10
92 <210> SEQ ID NO: 6
93 <211> LENGTH: 10
94 <212> TYPE: PRT
95 <213> ORGANISM: Unknown
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
100 <400> SEQUENCE: 6
102 Leu Ser Pro Gln Ser Ser Leu Ser Ser Ser
103 1          5          10
106 <210> SEQ ID NO: 7
107 <211> LENGTH: 10
108 <212> TYPE: PRT
109 <213> ORGANISM: Unknown
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
114 <400> SEQUENCE: 7
116 Ala Ser Ser Gly Ser Ser Gln Ser Thr Ser
117 1          5          10
120 <210> SEQ ID NO: 8
121 <211> LENGTH: 10
122 <212> TYPE: PRT
123 <213> ORGANISM: Unknown
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
128 <400> SEQUENCE: 8
130 Ile Ser Ala Gly Ser Ser Gln Ser Thr Ser
131 1          5          10
134 <210> SEQ ID NO: 9
135 <211> LENGTH: 10
136 <212> TYPE: PRT
137 <213> ORGANISM: Unknown
139 <220> FEATURE:
140 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
142 <400> SEQUENCE: 9

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144 Arg Ser Pro Met Ser Ser Gln Ser Ser Pro  
145 1 5 10

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148 <210> SEQ ID NO: 10
149 <211> LENGTH: 10
150 <212> TYPE: PRT
151 <213> ORGANISM: Unknown
153 <220> FEATURE:
154 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
156 <400> SEQUENCE: 10
158 Tyr Ser Pro Ser Ser Ser Leu Ala Pro Ala
159 1          5          10
162 <210> SEQ ID NO: 11
163 <211> LENGTH: 10
164 <212> TYPE: PRT
165 <213> ORGANISM: Unknown
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
170 <400> SEQUENCE: 11
172 Met Ser Pro Leu Ser Ser Gln Ala Ser Ala
173 1          5          10
176 <210> SEQ ID NO: 12
177 <211> LENGTH: 10
178 <212> TYPE: PRT
179 <213> ORGANISM: Unknown
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
184 <400> SEQUENCE: 12
186 Ala Ser Pro Met Ser Ser Gln Ser Ser Ser
187 1          5          10
190 <210> SEQ ID NO: 13
191 <211> LENGTH: 10
192 <212> TYPE: PRT
193 <213> ORGANISM: Unknown
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
198 <400> SEQUENCE: 13
200 Gln Ser Pro Leu Ser Ser Gln Ala Ser Thr
201 1          5          10
204 <210> SEQ ID NO: 14
205 <211> LENGTH: 10
206 <212> TYPE: PRT
207 <213> ORGANISM: Unknown
209 <220> FEATURE:
210 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
212 <400> SEQUENCE: 14
214 Gln Ser Pro Leu Ser Ser Thr Ala Ser Ser
215 1          5          10
218 <210> SEQ ID NO: 15
219 <211> LENGTH: 10
220 <212> TYPE: PRT

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221 <213> ORGANISM: Unknown

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```

223 <220> FEATURE:
224 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
226 <400> SEQUENCE: 15
228 Leu Ser Pro Leu Ser Ser Gln Ser Ala Ala
229 1          5          10
232 <210> SEQ ID NO: 16
233 <211> LENGTH: 10
234 <212> TYPE: PRT
235 <213> ORGANISM: Unknown
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
240 <400> SEQUENCE: 16
242 Gly Ser Ser Ser Ser Ser Gln Thr Pro Ala
243 1          5          10
246 <210> SEQ ID NO: 17
247 <211> LENGTH: 10
248 <212> TYPE: PRT
249 <213> ORGANISM: Unknown
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
254 <400> SEQUENCE: 17
256 Tyr Ser Pro Leu Ser Ser Gln Ser Ser Pro
257 1          5          10
260 <210> SEQ ID NO: 18
261 <211> LENGTH: 10
262 <212> TYPE: PRT
263 <213> ORGANISM: Unknown
265 <220> FEATURE:
266 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
268 <400> SEQUENCE: 18
270 Phe Ser Ser Val Ser Ser Gln Ser Ser Ser
271 1          5          10
274 <210> SEQ ID NO: 19
275 <211> LENGTH: 9
276 <212> TYPE: PRT
277 <213> ORGANISM: Artificial sequence
279 <220> FEATURE:
280 <223> OTHER INFORMATION: tag HA 1.1 peptide sequence
283 <400> SEQUENCE: 19
285 Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
286 1          5
290 <210> SEQ ID NO: 20
291 <211> LENGTH: 39
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: PCR downstream primer
298 <400> SEQUENCE: 20
299 tggggcccct ctagacatct ccaaagagtt gatgtactc

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39



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Input Set : A:\2006-05-22 2121-0180P.ST25.txt

Output Set: N:\CRF4\05252006\J791814B.raw

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302 <210> SEQ ID NO: 21
303 <211> LENGTH: 99
304 <212> TYPE: DNA
305 <213> ORGANISM: Artificial sequence
307 <220> FEATURE:
308 <223> OTHER INFORMATION: PCR upstream primer
310 <220> FEATURE:
311 <221> NAME/KEY: misc_feature
312 <222> LOCATION: (25)..(26)
313 <223> OTHER INFORMATION: n is a, c, g, or t
315 <220> FEATURE:
316 <221> NAME/KEY: misc_feature
317 <222> LOCATION: (31)..(31)
318 <223> OTHER INFORMATION: n is a, c, g, or t
320 <220> FEATURE:
321 <221> NAME/KEY: misc_feature
322 <222> LOCATION: (34)..(35)
323 <223> OTHER INFORMATION: n is a, c, g, or t
325 <220> FEATURE:
326 <221> NAME/KEY: misc_feature
327 <222> LOCATION: (43)..(44)
328 <223> OTHER INFORMATION: n is a, c, g, or t
330 <220> FEATURE:
331 <221> NAME/KEY: misc_feature
332 <222> LOCATION: (46)..(46)
333 <223> OTHER INFORMATION: n is a, c, g, or t
335 <220> FEATURE:
336 <221> NAME/KEY: misc_feature
337 <222> LOCATION: (49)..(49)
338 <223> OTHER INFORMATION: n is a, c, g, or t
340 <220> FEATURE:
341 <221> NAME/KEY: misc_feature
342 <222> LOCATION: (52)..(52)
343 <223> OTHER INFORMATION: n is a, c, g, or t
345 <400> SEQUENCE: 21
W--> 346 ctcgcggccc agccggccat ggccnnktcc ncannktcct cgmknkcnc ancctgtgc 60
348 ttgcctaca ttgcgcggcc gctgccccgt gccacatc 99
352 <210> SEQ ID NO: 22
353 <211> LENGTH: 10
354 <212> TYPE: PRT
355 <213> ORGANISM: Unknown
357 <220> FEATURE:
358 <223> OTHER INFORMATION: Cloned peptide sequence selected using the biopanning
strategy (mammalian)
360 <400> SEQUENCE: 22
362 Ile Ser Ala Gly Ser Ser Glu Leu Ala Ala
363 1 5 10
366 <210> SEQ ID NO: 23
367 <211> LENGTH: 10
368 <212> TYPE: PRT

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RAW SEQUENCE LISTING ERROR SUMMARY  
 PATENT APPLICATION: US/10/791,814B

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Input Set : A:\2006-05-22 2121-0180P.ST25.txt  
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**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents, at least one n or Xaa.

Seq#:21; N Pos. 25,26,31,34,35,43,44,46,49,52

Seq#:24; Xaa Pos. 1,3,4,8,9,10

Seq#:25; Xaa Pos. 4

Seq#:26; Xaa Pos. 8

Seq#:28; Xaa Pos. 1,3,4,7,8,9,10

Seq#:29; Xaa Pos. 4

Seq#:37; Xaa Pos. 7

Seq#:38; Xaa Pos. 10

Seq#:39; Xaa Pos. 1,4,8,9,10

Seq#:41; Xaa Pos. 1,4,8,9,10

**Invalid Line Length:**

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 5,28

Seq#:2; Line(s) 42

Seq#:3; Line(s) 56

Seq#:4; Line(s) 70

Seq#:5; Line(s) 84

Seq#:6; Line(s) 98

Seq#:7; Line(s) 112

Seq#:8; Line(s) 126

Seq#:9; Line(s) 140

Seq#:10; Line(s) 154

Seq#:11; Line(s) 168

Seq#:12; Line(s) 182

Seq#:13; Line(s) 196

Seq#:14; Line(s) 210

Seq#:15; Line(s) 224

Seq#:16; Line(s) 238

Seq#:17; Line(s) 252

Seq#:18; Line(s) 266

Seq#:22; Line(s) 358

Seq#:23; Line(s) 372

## VERIFICATION SUMMARY

DATE: 05/25/2006

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Input Set : A:\2006-05-22 2121-0180P.ST25.txt

Output Set: N:\CRF4\05252006\J791814B.raw

L:346 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0  
L:412 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0  
L:433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0  
L:454 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0  
L:504 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0  
L:525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0  
L:643 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
L:663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0  
L:693 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0  
L:750 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0